

WHAT IS CLAIMED IS:

1. A system for recording a first set of medical image data on a portable digital recording medium, comprising:

5 a receiving module configured to receive said first set of medical image data;

a processing module configured to process said first set of medical image data; and

10 an output module configured to transmit said first set of medical image data to a first device configured to record said first set of medical image data on said portable digital recording medium, wherein a viewing program configured to view said first set of medical image data is stored on said portable digital recording medium.

2. The system of Claim 1, wherein said viewing program is recorded on said portable digital recording medium by said first device.

15 3. The system of Claim 1, wherein said first device is configured to print a label on said portable digital recording medium.

4. The system of Claim 3, wherein said output module is configured to transmit a label-specification file to said first device, and wherein said first device is configured to print said label on portable digital recording medium according to the specification in said label-specification file.

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5. The system of Claim 1, wherein said processing module is configured to create and store audit information of said portable digital recording medium.

6. The system of Claim 1, wherein said processing module is configured to communicate with one or more browsing terminals.

25 7. The system of Claim 1, wherein said portable digital recording medium is an optical disk.

8. The system of Claim 7, wherein said portable digital recording medium is a CD or DVD.

9. The system of Claim 1, wherein said processing module is configured to retrieve a second set of medical image data that are related to said first set of medical

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image data, and wherein said output module is configured to transmit said second set of medical image data to said first device.

10. The system of Claim 1, wherein said receiving module is configured to receive said first set of medical image data from an image server.

5 11. The system of Claim 10, wherein said receiving module is configured to receive said first set of medical image data continuously from said image server.

12. The system of Claim 1, wherein said receiving module is configured to receive said first set of medical image data in a DICOM-compatible data format.

10 13. A method of storing a first set of medical image data on a portable digital recording medium, comprising:

receiving said first set of medical image data;

processing said first set of medical image data; and

15 storing said first set of medical image data on said portable digital recording medium, wherein a viewing program configured to view said first set of medical image data is stored on said portable digital recording medium.

14. The method of Claim 13, wherein said viewing program is stored on said portable digital recording medium after the step of processing said first set of medical image data.

20 15. The method of Claim 13, wherein the step of storing said first set of medical image data comprises transmitting said first set of medical image data to a device configured to record said first set of medical image data on said portable digital recording medium.

16. The method of Claim 13, further comprising:

25 creating audit information regarding said portable digital recording medium; and

storing said audit information.

30 17. The system of Claim 13, wherein the step of processing said first set of medical image data comprises retrieving a second set of medical image data that are related to said first set of medical image data, and wherein the step of storing said first set of medical image data on portable digital recording medium comprises storing said second set of medical image data on said portable digital recording medium.

18. The method of Claim 13, wherein said portable digital recording medium is an optical disk.

19. The method of Claim 18, wherein said portable digital recording medium is a CD or DVD.

5 20. The method of Claim 13, wherein the step of receiving said first set of medical image data comprises receiving said first set of medical image data from an image server.

21. The method of Claim 20, wherein the step of receiving said first set of medical image data comprises receiving said first set of medical image data continuously from said image server.

22. The method of Claim 13, wherein the step of receiving said first set of medical image data comprises receiving said first set of medical image data in DICOM-compatible data format.

23. A method of selecting medical image data for recording on a portable digital recording medium, comprising:

connecting a browsing terminal to a computer database storing medical image data;

from said browsing terminal, selecting a first set of said medical image data stored on said computer database; and

20 recording said selected first set of medical image data on said portable digital recording medium, wherein a viewing program configured to view said first set of medical image data is stored on said portable digital recording medium.

24. The method of Claim 23, further comprising:

25 creating audit information regarding said portable digital recording medium; and

storing said audit information.

25. The method of Claim 23, wherein said portable digital recording medium is an optical disk.

30 26. The method of Claim 25, wherein said portable digital recording medium is a CD or DVD.

27. The method of Claim 23, further comprising:

retrieving a second set of medical image data that are related to said selected first set of medical image data; and

5 recording said retrieved second set of medical image data on said portable digital recording medium.

28. The method of Claim 23, wherein the step of recording said selected first set of medical image data comprises:

10 from said browsing terminal, selecting, on the basis of said first set of medical image data, a first production device configured to record said first set of medical image data on said portable digital recording medium; and

transmitting said first set of medical image data to said first production device.

29. A method of selecting a first set of medical image data for recording on a portable digital recording medium, comprising:

15 connecting a browsing terminal to a computer database storing medical image data;

from said browsing terminal, selecting a first set of said medical image data stored on said computer database;

20 retrieving a second set of medical image data that are related to said selected first set of medical image data; and

recording said selected first set of medical image data and said retrieved second set of medical image data on said portable digital recording medium.

25 30. The method of Claim 28, wherein the step of retrieving a second set of medical image data comprises retrieving said second set of medical image data from said computer database.

31. A system for recording medical image data on a portable digital recording medium, comprising:

a receiving module configured to receive a first set of medical image data;

a processing module configured to process said first set of medical image data and configured to retrieve a second set of medical image data that are related to said first set of medical image data; and

5 an output module configured to transmit said first set of medical image data and said second set of medical image data to a production device configured to record said first set of medical image data and said second set of medical image data on said portable digital recording medium.

32. The system of Claim 30, wherein said system is connected to a medical image data storage unit, and wherein said processing module is configured to retrieve
10 said second set of medical image data from said medical image data storage unit.

33. The system of Claim 30, wherein said system is connected to multiple medical image data storage units, wherein said first set of medical image data originates from an originating image input device, wherein said processing module is configured to determine, on the basis of said originating image input device, a first set of medical
15 image storage units from said multiple medical image data storage units, and wherein said processing module is configured to retrieve said second set of medical image data from said first set of medical image storage units.

34. A method of storing a first set of medical image data on a portable digital recording medium, comprising:

20 receiving said first set of medical image data;

processing said first set of medical image data; and

optionally storing said first set of medical image data on said portable digital recording medium, wherein a viewing program configured to view said first set of medical image data is stored on said portable digital recording
25 medium.

35. The method of Claim 33, wherein said step of processing said first set of medical image data comprises determining an originating image input device of said first set of medical image data, and wherein the step of optionally storing said first set of medical image data comprises determining, on the basis of said originating image input
30 device, whether to store said first set of medical image data on said portable digital recording medium.

36. A method of storing a first set of medical image data on a portable digital recording medium, comprising:

receiving said first set of medical image data in an application server;

processing said first set of medical image data in said application server;

5 connecting said application server to a first production device and a second production device, said first production device and said second production device each configured to record said first set of medical image data on said portable digital recording medium;

10 selecting, on the basis of said first set of medical image data, a target production device from a list of said first production device and said second production device;

transmitting said first set of medical image data to said target production device.